

February 2001

**Integrated Cultural Resources
Management Plan,
U.S. Army Garrison, Fort Belvoir, Virginia
Final Report**



**Environmental & Natural Resources Division
Directorate of Installation Support
U.S. Army Garrison Fort Belvoir
Fort Belvoir, Virginia 22060**

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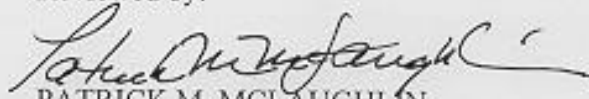
ENVIRONMENTAL ASSESSMENT

FOR

US ARMY GARRISON, FORT BELVOIR, VIRGINIA INTEGRATED CULTURAL RESOURCES MANAGEMENT PLAN

February 2001

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EXECUTIVE SUMMARY

The U.S. Army Garrison Fort Belvoir is the principal regional administrative and logistics center for the Military District of Washington (MDW). The installation's mission is: "to command, control, and operate Fort Belvoir and assigned attached units, to provide installation support to authorized activities and personnel assigned to or located in the geographical support area of Fort Belvoir, and to plan and maintain mobilization readiness for FB and tenant activities".¹ Fort Belvoir also receives, supports, and trains Reserve units and prepares forces for employment in the National Capital Region.² The 8,239-acre post hosts more than 100 Department of Defense (DoD), Department of the Army (DA), government, and civilian tenant organizations.

Fort Belvoir is responsible for the stewardship of the cultural and historical resources located within its boundaries. Fort Belvoir's cultural resources responsibilities are defined by a wide range of laws, principally the National Historic Preservation Act (NHPA) of 1966, as amended, which requires Federal agencies to identify, inventory, evaluate, and protect properties listed in or eligible for listing in the National Register of Historic Places (National Register), and by DoD and DA regulations, including Army Regulation (AR) 200-4. Among other items, AR 200-4 requires that Fort Belvoir prepare an Integrated Cultural Resource Management Plan (ICRMP).

Objectives of the Fort Belvoir Integrated Cultural Resource Management Plan (ICRMP)

An ICRMP facilitates installation compliance with cultural resource management laws and policies by:

- integrating cultural resources management into the existing framework of Fort Belvoir's operations and mission in a manner consistent with current Federal, DoD, and DA laws and regulations;
- developing a resource program to enhance project coordination, planning, and compliance activities;³
- providing the basis for one or more Programmatic Agreement(s) (PA) among the Department of the Army (Fort Belvoir), the Virginia Department of Historic Resources (VDHR), the Advisory Council on Historic Preservation (ACHP), and other interested groups; and
- providing installation-specific procedures and recommendations for cultural resources management.

This ICRMP meets the requirements of AR 200-4 by:

- summarizing Fort Belvoir's mission and history (Chapter II);
- providing an inventory and evaluation of all known and potential archeological and architectural resources (Chapter II and Appendix IV);

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- defining appropriate prehistoric and historic contexts for Fort Belvoir (Appendix III);
 - identifying applicable Federal laws, standards, and guidelines, and Army regulations that relate to cultural resources management (Chapter III and Appendix II);
 - identifying the types of undertakings that may affect cultural resources and specific projects that may require cultural resources compliance review (Chapter III);
 - examining the current administrative, operations, planning, and maintenance decision-making processes at Fort Belvoir (Chapter III);
 - recommending strategies for managing, maintaining, and treating cultural resources and complying with Federal, DoD, and Army cultural resource management laws and regulations (Chapters IV and V); and
 - developing standard operating procedures for internal installation coordination and external Section 106 consultation for undertakings that may affect cultural resources (Chapter IV).

The ICRMP integrates with and compliments other planning documents, including the Fort Belvoir Real Property Master Plan-Long Range Component,⁴ the Fort Belvoir Installation Design Guide,⁵ and the Fort Belvoir Integrated Natural Resources Management Plan. This ICRMP was designed to be dynamic, and to be reviewed and updated periodically as conditions, requirements, goals, and objectives at Fort Belvoir change.

Legislative and Regulatory Framework

Federal Cultural Resources Law

The principal Federal laws that govern Fort Belvoir's cultural resource program include:

- **The National Historic Preservation Act (NHPA) of 1966 (as amended)**, which seeks to safeguard the historic environment while advancing Federal funded or permitted projects. The two primary elements of the NHPA are:
 - **Section 106**, which directs Federal agencies, when planning their activities, to consider historic resources under their jurisdiction or control that are listed or eligible for inclusion in the National Register of Historic Places. The Advisory Council for Historic Preservation has issued implementing regulations (36 CFR 800 [revised 1999]) that establish procedures for project review and public involvement to ensure that historic preservation and the public interest are factored into agency planning decisions.
 - **Section 110**, which requires Federal agencies to locate, inventory, and nominate to the National Register of Historic Places all historically

significant properties under their jurisdiction. The language in this section (added 1980) derived directly from Executive Order No. 11593 (*Protection and Enhancement of the Cultural Environment* [1971]).

- **The National Environmental Policy Act (NEPA)(1969)** requires Federal agencies to determine the impacts of their activities upon the environment, including historic properties. Although NEPA compliance cannot be substituted for compliance with NHPA, agencies may coordinate studies and documents completed under Section 106 with those required for NEPA.⁶
- **The Archeological and Historic Preservation Act (AHPA)(1974)** requires Federal agencies to recover or protect archeological data that could be damaged by Federally-funded or -licensed construction projects.
- **The American Indian Religious Freedom Act (AIRFA)(1978)** affirms the right of Native Americans to have access to their sacred places and promotes consultation with Indian religious practitioners. Activities under AIRFA may be coordinated with consultations required under Section 106 of the NHPA.
- **The Archeological Resources Protection Act (ARPA)(1979)** requires permits for archeological excavations or removal of archeological resources from Federally-owned properties and imposes Federal penalties on persons who excavate, remove, damage, or otherwise deface archeological resources on Federal property without proper permits.
- **The Native American Graves Protection and Repatriation Act (NAGPRA)(1990)** governs the treatment of Native American cultural items recovered from lands controlled or owned by the United States.

Department of the Army Regulations

The Department of Defense (DoD) and Department of the Army (DA) also have developed regulations that further delineate the responsibilities and procedures for cultural resources stewardship. Army Regulation (AR) 200-4, *Cultural Resources Management*⁷ and Department of the Army Pamphlet (DA PAM) 200-4⁸ apply to all DA installations and activities, and supercede AR 420-40, *Historic Preservation* (May 1984). Both documents are designed to ensure that Army installations comply with cultural resource protection laws and make informed decisions regarding cultural resources within their mission.⁹

AR 200-4 delineates the Army's policies, procedures, and responsibilities for the integrated management of cultural resources in compliance with the NHPA and other federal laws and regulations, and in support of the military mission.¹⁰ DA-PAM 200-4 provides guidance for implementing the policy requirements outlined in AR 200-4. Under these regulations, Installation Commanders must:

- designate a "Cultural Resource Manager" (CRM) to coordinate the installation's cultural resources management program;

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- develop a comprehensive program to identify, protect, curate, and interpret the installation's cultural resources;
 - as needed, establish a government-to-government relationship with Federally-recognized tribal governments and other Native American organizations in accordance with federal laws and regulations;
 - establish a consultation process between the CRM and installation staff elements, tenants, and other identified "interested parties" during the planning stages of activities or undertakings;
 - prepare and implement an installation-wide Programmatic Agreement (PA) and/or a Comprehensive Agreement (CA), where required, to streamline compliance with the NHPA and NAGPRA for ongoing mission and operations;
 - integrate cultural resource management with installation training and testing, master planning (AR 210-20), environmental impact analysis (AR 200-2), natural resources and endangered species management planning (AR 200-3), and the Integrated Training Area Management (ITAM) program.
 - establish priorities and program funds for cultural resources compliance and management activities;
 - conduct a comprehensive evaluation of the installation's cultural resources management program; and
 - prepare, maintain, and implement ICRMPs, cultural resources inventory plans and schedules, PAs, and similar documents and agreements, as appropriate.¹¹

Cultural Resource Management at Fort Belvoir

Program History

Fort Belvoir's historic resources encompass both pre-installation history and U. S. military history from World War I through the Cold War. These resources include buildings, structures, archeological sites, and historic landscapes. Although the first cultural resources investigations at the installation date back to the 1920s, Belvoir's cultural resources management program has become increasingly sophisticated in response to legislative and Army direction since the 1980s.

One focus of previous cultural resource investigations has concerned the identification of Fort Belvoir's numerous archeological sites. These have included:

- Archeological investigations at Belvoir Manor, site of the eighteenth century home of William Fairfax. During the 1930s, these prompted the renaming of the installation and more recent excavations at the plantation site resulted in listing the Belvoir Manor Ruins and Fairfax Gravesites in the National Register of Historic Places in 1973.

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- A systematic program of archeological resource identification and evaluation. To date, over 300 archeological sites have been identified on the installation, and 11 of these have been evaluated as National Register eligible (Table 1). The installation also has completed an installation-wide archeological disturbance study, an historic and prehistoric context for the installation, an, installation-wide identification study of previously unsurveyed areas, and a comprehensive map series showing the surveyed and unsurveyed areas of the installation. In 1994, the Virginia Department of Historic Resources (VDHR) certified that Fort Belvoir had satisfactorily completed all required archeological identification studies.
 - Development of a Geographic Information System (GIS) data layer for all known archeological sites on the installation, to facilitate installation-wide project planning. The archeological data layer supplements the Fort Belvoir's existing GIS system, and contains information on the results of archeological evaluation and mitigation studies.

Fort Belvoir also has conducted numerous surveys and other studies of its historic architectural resources, including:

- an architectural survey and evaluation of approximately 200 buildings constructed between 1917 and 1957, followed by a reconnaissance survey of all of Fort Belvoir's pre-1946 buildings and structures, which resulted in identifying the significant structures at the installation;
- A conditions assessment of 33 historic, non-residential buildings;
- An evaluation of the National Register eligibility of 45 buildings constructed between 1945 and 1950 within the Fort Belvoir Historic District; and
- Preparation of National Register nominations for the Fort Belvoir Historic District (196 contributing buildings and 11 non-contributing structures), the Thermo-Con House (Building 172), the Camp A. A. Humphreys Pump Station and Filtration Building, and the SM-1 Nuclear Power Plant complex. In 1996, VDHR approved the National Register nominations for the historic district and the Pump Station and Filtration Building.

Table 2 presents a summary of the National Register eligible built resources at Fort Belvoir.

Finally, Fort Belvoir has promoted the stewardship of its cultural resources and public education by developing interpretive signage for the Belvoir Manor site, and, under a Department of Defense (DoD) Legacy Resource Management Program grant, publishing a booklet on the history of the installation.

In summary, Fort Belvoir's cultural resources management program has established a good track record of cooperation and consultation with the Virginia Department of Historic Resources (VDHR), the Advisory Council of Historic Preservation (ACHP), and other interested parties. The present ICRMP is designed to further enhance the installation's record of past accomplishment.

Table 1

| Site Number | Site Chronology | Site Type/Function | Investigators | Comments |
|---------------------------|---|---|---|---|
| 44FX4 | Historic: 19th century | Plantation Complex | Shott; MAAR.; JRI, Inc. | Listed in National Register, 1973 |
| 44FX12 | Prehistoric: Early Archaic - Late Woodland | Seasonal occupation site | MAAR, Inc.; Fairfax County Heritage Resources; RCG&A | Tested/evaluated |
| 44FX1305 | Prehistoric: Middle Archaic - Early Woodland | Unidentified | MAAR, Inc.; Fairfax County Heritage Resources; RCG&A | Tested/evaluated |
| 44FX1309 | Prehistoric: Middle Archaic - Late Woodland | Unidentified | MAAR, Inc.; Fairfax County Heritage Resources; RCG&A | Tested/evaluated |
| 44FX1314 | Prehistoric: Middle Archaic - Late Woodland | Unidentified | MAAR, Inc.; Fairfax County Heritage Resources; RCG&A | Tested/evaluated |
| 44FX1328 | Prehistoric: Late Archaic - Early Woodland Historic: 18th century | Prehistoric: Unidentified Historic: domestic | MAAR, Inc.; Fairfax County Heritage Resources; Dames and Moore 1999 | Mitigated |
| 44FX1340 | Prehistoric: Middle Archaic - Late Woodland Historic: 18th century | Prehistoric: Unidentified Historic: domestic | MAAR, Inc.; Fairfax County Heritages Resources; RCG&A | Evaluated; eroding |
| 44FX1505 | Historic: 20th century | Military training trenches | MAAR, Inc.; Milner | Evaluated |
| 44FX1677 | Historic: 19th century | Domestic | MAAR, Inc.; Milner | Evaluated |
| 44FX1908 | Prehistoric: Early - Mid Woodland | Unidentified | MAAR, Inc.; Milner | Evaluated |
| 44FX1925 | Prehistoric: Late Archaic Early Woodland | Unidentified | MAAR, Inc., RCG&A | Evaluated |
| 44FX457 | Prehistoric | camp | Karell Associates | Mitigated/Excavated; Destroyed Fairfax Co. Parkway |
| Accotink Prehistoric Site | Prehistoric | camp | Karell Associates | Mitigated/Excavated; Destroyed Fairfax Co. Parkway |
| Kernan Run Site | Prehistoric | Unknown | Karell Associates | Mitigated/Excavated; Destroyed Fairfax Co. Parkway |

Table 2

| Building No. | Building Name | Date | National Register Status | Survey Type/Date |
|--------------|---------------------------------|------|---|------------------|
| 1 | Commanding Officer's Quarters | 1935 | Fort Belvoir H.D. - Contributing | |
| 2 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 3 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 4 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 5 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 6 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 7 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 85 | Transformer (Quarters 7 & 8) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 8 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 9 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 10 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 11 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 12 | Officer Family Housing (Type B) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 13 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 14 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 15 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 62 | Tennis Courts | 1950 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| 86 | Transformer (Quarters 16 & 17) | 1935 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 16 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 17 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 18 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 19 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 20 | MacKenzie Hall | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 21 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 22 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 23 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 24 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 25 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 26 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 27 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 28 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 29 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 30 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 31 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 32 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 33 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 33A | Transformer | 1943 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 34 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 35 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 36 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 37 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 38 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |

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|-----|---------------------------------|------|---|-----------------|
| 39 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 40 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 41 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 42 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 43 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 44 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 45 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 46 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 47 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 48 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 49 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 50 | Officer Family Housing (Type A) | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 51 | Officer Family Housing (Type A) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 51A | Transformer | 1935 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 52 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 53 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 54 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 55 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 56 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 57 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 58 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 59 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 60 | Officer Family Housing (Type B) | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 67 | Officers Quarters | 1935 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 68 | Officers Quarters | 1935 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 78 | Transformer | 1949 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| 73 | Detached Garage | 1949 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| 101 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 102 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 103 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 104 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 105 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 106 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 107 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 108 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 109 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 110 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 195 | Transformer (Quarters 110) | 1935 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 111 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 112 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 114 | NCO Family Housing | 1931 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 115 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 116 | NCO Family Housing | 1931 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 117 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 118 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 119 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 120 | NCO Family Housing | 1930 | Fort Belvoir H.D. - Contributing | HABS, 1984 |

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|-------|--|------|---|----------------------|
| 169 | NCO Family Housing | 1939 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 170 | NCO Family Housing | 1939 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 171 | NCO Family Housing | 1939 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 172 | "Thermo-Con" House | 1948 | Individual NR Eligible | Thermo-Con Nom. 1995 |
| 173 | Detached Garage | 1940 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 174 | Detached Garage | 1940 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 175 | Detached Garage | 1940 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 176 | Detached Garage | 1940 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 177 | Detached Garage | 1940 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 178 | Detached Garage | 1940 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 184 | NCO Club (Club 7, 8, 9) | 1939 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 188 | Water Storage Tank | 1918 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 191 | Fire Station | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 201 | Wilson Hall-Administration | 1928 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 202 | MacArthur Hall - Defense Systems | 1928 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| | Management College | | | |
| 203 | Barracks w/o Mess | 1928 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 204 | General Instruction Building | 1928 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 205 | General Instruction Building | 1928 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 206 | Barracks w/o Mess | 1928 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 207 | General Instruction Building | 1929 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 208 | Barracks w/o Mess | 1929 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 209 | General Instruction Building | 1929 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 210 | Barracks w/o Mess | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 211 | Barracks w/o Mess | 1940 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 212 | Barracks w/o Mess | 1940 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 213 | Barracks w/o Mess | 1940 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| S-214 | Bagley Hall | 1941 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| S-215 | Educational Building | 1941 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 216 | Flagler Hall-Civilian Personnel Office | 1932 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 232 | Flagpole | 1976 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| 217 | Detached Garage | 1932 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 218 | Monument | 1967 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| 219 | Essayons Theater and Administration | 1931 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 226 | Battalion Headquarters | 1957 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| S-231 | Consolidated Mess #1 | 1968 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| 235 | Battalion Headquarters | 1965 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| 240* | Wallace Theater | 1950 | Fort Belvoir H.D. - Contributing* | Survey 1996 |
| 245 | Baseball Field | 1950 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| 246 | Communications Electronics | 1951 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| | Building | | | |
| 256 | Main Post Office | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 257 | Hill Hall - Judge Advocate's Office | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 258 | Administration Offices | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 268 | Williams Hall - Printing Facility | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 269 | Abbott Hall - Post Headquarters | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 270 | Thayer Hall - General Instruction | 1935 | Fort Belvoir H.D. - Contributing | HABS, 1984 |

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|--------|--------------------------------|---------|---|----------------------------|
| 350 | Sewage Pump Station | c. 1962 | SM-1 Plant M.P. - Contributing | SM-1 Nom. 1996 |
| 372 | SM-1 Nuclear Power Plant | 1957 | SM-1 Plant M.P. - Contributing | SM-1 Nom. 1996 |
| 373 | Sentry Station/Emergency Siren | c. 1960 | SM-1 Plant M.P. - Contributing | SM-1 Nom. 1996 |
| 375 | Pumphouse | c. 1961 | SM-1 Plant M.P. - Contributing | SM-1 Nom. 1996 |
| 376 | Waste Retention Building | c. 1961 | SM-1 Plant M.P. - Contributing | SM-1 Nom. 1996 |
| 384 | Electronic Equipment Facility | c. 1964 | SM-1 Plant M.P. - Contributing | SM-1 Nom. 1996 |
| T-435 | Fairfax Chapel | 1941 | Fort Belvoir H.D. - Contributing | HABS, 1984, 1992 |
| T-436 | Officer Family Housing | 1921 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| T-437 | Officer Family Housing | 1921 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| T-438 | Officer Family Housing | 1921 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| T-439 | Officer Family Housing | 1921 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| T-440 | Officer Family Housing | 1921 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| T-441 | Officer Family Housing | 1921 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 443 | Detached Garage | 1940 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 444 | Detached Garage | 1940 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 445 | Detached Garage | 1940 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 446 | Detached Garage | 1940 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 497 | Ballfields | 1955 | Fort Belvoir H.D. - Non-Contributing | FBHD Nom., 1996 |
| 500 | Housing | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 590 | Transformer Vault | 1935 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 501 | Housing | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 502 | Housing | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 503 | Housing | 1934 | Fort Belvoir H.D. - Contributing | HABS, 1984 |
| 1024* | Van Noy Library | 1949 | Fort Belvoir H.D. - Contributing* | Survey, 1996 |
| 1124 | Gas Station | 1934 | Fort Belvoir H.D. - Contributing | Survey, 1996 |
| T-1139 | General Purpose Warehouse | 1917 | Fort Belvoir H.D. - Contributing | HABS, 1984, FBHD Nom. 1996 |
| T-1140 | General Purpose Warehouse | 1917 | Fort Belvoir H.D. - Contributing | HABS, 1984, FBHD Nom. 1996 |
| T-1141 | General Purpose Warehouse | 1917 | Fort Belvoir H.D. - Contributing | HABS, 1984, FBHD Nom. 1996 |
| T-1142 | General Purpose Warehouse | 1917 | Fort Belvoir H.D. - Contributing | HABS, 1984, FBHD Nom. 1996 |
| T-1143 | General Purpose Warehouse | 1917 | Fort Belvoir H.D. - Contributing | HABS, 1984, FBHD Nom. 1996 |
| T-1144 | General Purpose Warehouse | 1917 | Fort Belvoir H.D. - Contributing | HABS, 1984, FBHD Nom. 1996 |
| T-1145 | General Purpose Warehouse | 1917 | Fort Belvoir H.D. - Contributing | HABS, 1984, FBHD Nom. 1996 |
| 1150 | PX Administration | 1934 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 1151 | Transformer Vault | 1935 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 1156 | Substation | 1935 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 1157 | Stand-by Generator | 1929 | Fort Belvoir H.D. - Contributing | HABS, 1984, FBHD Nom. 1996 |
| 1158 | Electric Storage | 1935 | Fort Belvoir H.D. - Contributing | FBHD Nom., 1996 |
| 1400 | Water Filtration Plant | 1918 | Humphreys Pump Station MP | 1400 Nom., 1996 |
| 1404 | Pump Station Complex | 1941 | Humphreys Pump Station MP | 1400 Nom., 1996 |
| 1405 | Pump Station Complex | 1941 | Humphreys Pump Station MP | 1400 Nom., 1996 |
| 1407 | Pump Station Complex | 1935 | Humphreys Pump Station MP | 1400 Nom., 1996 |

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|-------|-----------------------------|---------|---------------------------------|-----------------|
| 1405 | Pump Station Complex | 1941 | Humphreys Pump Station MP | 1400 Nom., 1996 |
| 1407 | Pump Station Complex | 1935 | Humphreys Pump Station MP | 1400 Nom., 1996 |
| 1408 | Pump Station Complex | 1941 | Humphreys Pump Station MP | 1400 Nom., 1996 |
| 1411 | Pump Station Complex | c. 1942 | Humphreys Pump Station MP | 1400 Nom., 1996 |
| 1421 | Pump Station Complex | c. 1942 | Humphreys Pump Station MP | 1400 Nom., 1996 |
| 1424 | Pump House | 1936 | Humphreys Pump Station MP | 1400 Nom., 1996 |
| 5090* | Fixed Ammo. Magazine/EPG | 1948 | SM-1 Plant M.P. - Contributing* | Survey, 1996 |
| 5092* | Fixed Ammo. Magazine/EPG | 1948 | SM-1 Plant M.P. - Contributing* | Survey, 1996 |
| 5094* | High Explosive Magazine/EPG | 1948 | SM-1 Plant M.P. - Contributing* | Survey, 1996 |
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ABBREVIATIONS:

H.D.: Historic District

M.P.: Multiple Property

NR: National Register

IABS: Historic American Buildings Survey

FBHD Nom.: Fort Belvoir Historic District National Register Nomination

1400 Nom.: Camp AA Humphreys Pump Station and Filter Building NR Nomination

SM-1 Nom.: US Army Package Power Reactor National Register Nomination

Thermo-Con Nom.: Thermo Con House National Register Nomination

Survey 1996: Fort Belvoir Historic Building Survey

*These resources were identified as potentially contributing resources in a 1996 survey prepared by Harnsberger and Associates, Architects entitled *Fort Belvoir Historic Building Survey Addendum*. They are not included in the current National Register nominations for the Fort Belvoir Historic District or the SM-1 Plant Multiple Property.

Current Organizational Framework

At Fort Belvoir, the Directorate of Installation Support (DIS) has primary responsibility for managing the installation's cultural resources. The cultural resources management program is assigned directly to the Environmental/Cultural Resource Manager (CRM) within the DIS. The CRM:

- identifies, evaluates, and nominates historic properties to the National Register;
- oversees compliance with NHPA and all relevant Federal laws, and DoD and DA cultural resource regulations;
- coordinates with, and integrates cultural resource management goals and procedures into other components of Fort Belvoir's administrative structure;
- maintains a current inventory of cultural resources;
- acts to minimize potentially adverse effects on National Register listed or eligible historic resources; and,
- balances cultural resource management requirements with other elements of Fort Belvoir's mission.

Existing planning procedures and policies at Fort Belvoir also facilitate coordination among departments and tenant organizations, and enable cultural resource concerns to be addressed during planning for undertakings on the installation. These procedures and policies include weekly staff meetings among DIS division chiefs; the activities of the Installation Planning Board, which approves undertakings on the post; the Facilities Area Coordinating Officers (FACOs), who coordinate tenant activities and planned undertakings; and programming procedures for work and service orders that encourage early coordination and consultation about CRM issues among appropriate personnel. Specifically, "Form DD1391" contains space for previous cultural resources investigations and concurrence from the State Historic Preservation Officer (SHPO).

Installation Preservation Goals/Action Plan

This ICRMP recommends both installation-wide goals and specific procedural and substantive actions to enhance Fort Belvoir's Cultural Resource Management program. The general goals are summarized in this Executive Summary; specific recommendations are presented in Chapter V ("Action Plan") of this ICRMP.

General Goals

Fort Belvoir should continue its proactive management posture when dealing with cultural resources at the installation. The general goals presented in Chapter V range from adequate advance planning for cultural resource evaluation and management to adopting an installation-wide

preservation and maintenance plan for Belvoir's historic buildings and structures based on the *Secretary of the Interior's Standards for the Treatment of Historic Properties*.

Program Administration

The ICRMP calls for measures to integrate cultural resources considerations more fully into the day-to-day operations and the long-range planning functions of the installation. The specific management goals in Chapter V call for action to:

- Refine the installation's planning procedures to integrate historic preservation considerations earlier and more fully into the installation's planning procedures;
- provide basic cultural resource management training to civilian and military personnel at the base who are concerned with planning and maintenance of Fort Belvoir's buildings and grounds;
- identify and implement efficient means of tracking and documenting Fort Belvoir's record of Section 106 compliance activities;
- Develop and implement systematic procedures to maximize consultation among project planners, designers, engineers, activities managers, and tenant organizations and the installation CRM;
- Develop criteria and procedures to ensure that historic preservation work conducted at Fort Belvoir complies with relevant standards and guidelines; and
- Plan and budget a reserve allocation of funds for unanticipated cultural resources needs, such as the accidental discovery and mitigation of archeological resources.

Cultural Resource Identification, Evaluation, and Treatment

Adoption of the management goals presented in Chapter V of this ICRMP will ensure that Fort Belvoir continues its program that conforms to the letter and the spirit of Federal preservation laws. These recommendations generally call for:

- Maintaining and updating Fort Belvoir's inventory of identified cultural resources and their National Register status (ongoing), and incorporating the results of future investigations into revisions of the ICRMP and other planning documents;
- Preparing conditions assessment reports and establishing systematic, periodic monitoring programs for unevaluated, previously identified or National Register eligible archeological sites and historic buildings;
- Establishing a plan for long-term curation of archeological collections to Federal standards (36 CFR 79, *Curation of Federally-Owned and Administered Archeological Collections*);

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- Where appropriate, review and upgrade previous cultural resource surveys to identify and/or evaluate:
 - areas of the installation that may contain unrecorded or poorly defined archeological sites;
 - previously identified and unevaluated archeological sites that are subject to Section 106 compliance review or are subject to adverse effects by natural forces, such as shoreline erosion;
 - Re-evaluate the National Register eligibility of buildings that achieve the 50-year age criterion and assess eligibility of other Cold War era (1946-1989) built resources for National Register eligibility under the *exceptional significance* Criterion Consideration (G);
 - Expand present boundaries of the Fort Belvoir Historic District to encompass 1920s and 1930s officers' housing (Buildings T451-456, T457-460, T479-81, T483-484, T487-494, and T496);
 - Prepare and/or submit for Federal review and approval National Register nominations for:
 - the Barnes-Owsley archeological site (44FX1326);
 - the Fort Belvoir Historic District (with amendments stipulated above);
 - the SM-1 Nuclear Power Plant (Buildings 7350, 372, 7375, and;
 - the Camp A. A. Humphreys Water Filtration Plant (Building 1400 and associated structures); and
 - the Thermo-Con House (Building 172).
 - Prepare a Landscape Preservation Plan for the Fort Belvoir Historic District that:
 - documents the historical evolution of the landscape design of the historic District;
 - identifies character-defining features associated with the designed and natural landscape; and
 - recommends measures to maintain and safeguard historic landscape features.
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Rehabilitation and Maintenance of Fort Belvoir's Historic Properties

Because Fort Belvoir itself continues to evolve as an installation and its historic buildings are in continuous and active use, care must be taken to maintain the historically significant features of these properties to prevent their deterioration. The specific recommendations presented in Chapter V generally call for measures that emphasize preservation of the historic fabric of the installation by:

Adopting a preservation and maintenance plan that:

- emphasizes retention of the character-defining features and historic materials of Fort Belvoir's historic buildings, structures, and associated landscape features; and
- is based on a schedule of routine building inspections, including a professionally conducted conditions survey of Fort Belvoir's historic buildings and structures every five years;
- Developing a range of feasible alternatives when installation plans affect historic properties;
- Educating tenant organizations that occupy historic buildings of the significance of their accommodations and the need for special management requirements;
- Establishing “demonstrated experience in the successful application of the Secretary of the Interior’s *Standards*” as a selection criterion for awarding contracts for work on Fort Belvoir’s historic properties; and
- Developing a long-range surveillance and maintenance program for Fort Belvoir’s historic cemeteries.

Public Outreach

The architectural and archeological resources at Fort Belvoir represent elements of a wider framework of a regional history of interest to the general public. In addition, the revised regulations governing the Section 106 compliance process (36 CFR 800) call for communication between Fort Belvoir and other public entities; thus, establishing relationships between the installation and outside entities is important. To enhance and facilitate these relationships, this ICRMP recommends that the installation:

- Maintain a copy of the ICRMP for Army community and local community review, and provide copies to the installation Public Affairs Office, the SHPO (VDHR), and local government agencies;
- Develop interpretive programs for its significant archeological sites and structures;

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- Establish and strengthen communication with neighboring historic sites and agencies interested in historic preservation, including:
 - Mount Vernon, Gunston Hall, and Woodlawn Plantation; and
 - the National Park Service and regional, state, and local park and planning commissions.

Negotiation of a Programmatic Agreement (PA)

Programmatic Agreements (PAs) are documents that develop standard treatment procedures for cultural resources that are affected by routine or recurrent installation activities or undertakings. A PA can reduce the need for costly and time-consuming Section 106 reviews of individual undertakings by:

- identifying categories of routine maintenance, minor repair, and operations activities at the installation;
- establishing parameters for such activities when they affect historic resources; and
- specifying the types of actions or undertakings that would be categorized as having "no adverse effect" upon historic properties, provided that such projects are undertaken within the negotiated parameters.

PAs are negotiated between the Department of the Army (Fort Belvoir) and oversight agencies (the Virginia Department of Historic Resources [VDHR] and the Advisory Council for Historic Preservation [ACHP]). This ICRMP may be used as a basis for negotiation of a PA; once adopted, the document then can be used in place of standard review under the regulations.¹²

Periodic Review of the ICRMP

Fort Belvoir's mission, tenant organizations, and operations procedures are not static, nor are the statutes and regulations that govern them. As a result, the Department of the Army specifies that planning documents like this ICRMP should be reevaluated periodically to ensure their continued usefulness and relevance to new conditions. With regard to cultural resource management, such evaluation should include:

- A annual assessment of the performance of Fort Belvoir's Cultural Resource Management Program and revision of CRM goals, policies, and procedures, as appropriate;
- Maintenance of current organizational and procedural flow charts;
- Maintenance of base maps with current archeological and architectural data; and

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- Formal re-evaluation of this ICRMP when other installation planning documents are revised.

GLOSSARY OF TERMS

Advisory Council on Historic Preservation (ACHP). An independent Federal regulatory commission that establishes standards for, and oversees, Federal compliance with historic preservation laws.

Cultural objects: As defined by NAGPRA, these items have “historical, traditional, or cultural importance” to Native American groups or cultures, and may include human remains, funerary or sacred objects, and objects of "cultural patrimony."

Cultural resources: The historically important components at an installation. These can include archeological sites, historic buildings, historical records, Native American sacred and cultural areas, and historic landscapes.

National Register of Historic Places. A nationwide inventory of significant historic properties (prehistoric and historic) that are worthy of preservation.

National Register eligible. A term applied to a cultural resource that has been evaluated and found to meet the National Register Criteria for Evaluation (36 CFR 60 [a-d]). These criteria specify that, to be eligible, a resource must:

- be generally intact or undisturbed; that is, no major changes or disturbances must have occurred in the original fabric or structure of the property; AND
- be associated with a major trend or event of local, state, or national historical importance; OR
- be associated with an individual of local, state, or national historical importance; OR
- represent an unique or particularly outstanding example of a specific resource type; OR
- contain data that will add significantly to our understanding of history or prehistory.

Programmatic Agreement (PA). A PA is an agreement between a Federal agency and one or more regulatory agencies that can be used to reduce the number of cultural resource reviews by determining in advance appropriate treatment for historic properties that may be affected by recurrent or routine installation activities.

Section 106 Review. The process by which Fort Belvoir coordinates with oversight agencies (usually the State Historic Preservation Office and/or the Advisory Council on Historic Preservation) the course of action that is required for compliance with the National Historic Preservation Act.

State Historic Preservation Office (SHPO). An agency of an individual state that has been designated by the ACHP to oversee historic preservation compliance activities within each state. The SHPO for Virginia is the Virginia Department of Historic Resources (VDHR).

Undertaking: In cultural resource management, any action or activity that could affect the cultural resources at the installation.

REFERENCES CITED

1. Woolpert, Inc., *Real Property Master Plan, Fort Belvoir, 1993*. (Woolpert, Inc., 1993a), p. 3-11.
2. Ibid.
3. Department of the Army, *Cultural Resources Management*. Department of the Army Pamphlet 200-4. (Washington: Headquarters, Department of the Army, 1998b), p. 23.
4. Woolpert, Inc. 1993a.
5. Woolpert, Inc., *Real Property Master Plan, Fort Belvoir, Installation Design Guide 1995* (Woolpert, Inc., 1995a).
6. Department of the Army, 1998b, p. 6.
7. Department of the Army, *Cultural Resources Management*. Army Regulation 200-4. (Washington, Headquarters, Department of the Army, 1998a).
8. Department of the Army, 1998b.
9. Department of the Army 1998a, p. 1.
10. Ibid.
11. Ibid., pp. 3-4.
12. Advisory Council on Historic Preservation, *Preparing Agreement Documents: How to Write Determinations of No Adverse Effect, Memoranda of Agreement, and Programmatic Agreements under 36 CFR 800*. (Washington: Advisory Council on Historic Preservation, 1989a) , p. 55.